

## Bennett, John

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**From:** Fout, Shay  
**Sent:** Monday, January 04, 2016 11:49 AM  
**To:** Fout, Shay  
**Subject:** Fw: EPA1615 armored RNA for norovirus

----- Forwarded by Shay Fout/CI/USEPA/US on 01/04/2016 11:49 AM -----

From: "Li, Charles" <cli@EMSL.com>  
To: Shay Fout/CI/USEPA/US@EPA,  
Date: 02/23/2012 04:06 PM  
Subject: RE: EPA1615 armored RNA for norovirus

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Hi, Shay,

That is great! Many thanks.

Charlie

Charles Li, Ph.D. | Director of PCR and DNA Analysis Laboratory  
EMSL Analytical, Inc. | 200 Route 130 North | Cinnaminson, NJ 08077  
Phone: 856-303-2554 | Fax: 856-786-0262 | Toll Free: 800-220-3675  
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-----Original Message-----

From: Shay Fout [<mailto:Fout.Shay@epamail.epa.gov>]  
Sent: Thursday, February 23, 2012 3:22 PM  
To: Li, Charles  
Subject: Re: EPA1615 armored RNA for norovirus

Charlie,

We are having the Armored RNA containing the qPCR standards produced for all the analytical labs participating in the UCMR. However, we did have a delay in getting the purchase order in place and still do not have it available. We used the poliovirus Sabin 3 for all our evaluations of the method. We also used the Armored RNA Quant Enterovirus, but it did not have a high enough titer to cover the entire range. For norovirus we used murine norovirus and a murine norovirus specific primers/probe set. Our paper describing our in house evaluation is close to being finished. When we get the Armored RNA

standards in, we will do a quick test before sending it out. Sandhya Parshionikar will probably then send out an email stating that it is available.

Best wishes,  
Shay

G. Shay Fout, Ph.D.  
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Microbiological and Chemical Exposure  
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From: "Li, Charles" <cli@EMSL.com>  
To: Shay Fout/CI/USEPA/US@EPA  
Date: 02/23/2012 03:09 PM  
Subject: EPA1615 armored RNA for norovirus

Hi, Dr. Fout,

We are setting up the virus assays using EPA1615 methods. I called AsuranGen, they do not make armored RNA for norovirus to supporting EPA1615, if they do, they will charge \$20,000 per armored RNA. It is too expensive for us. I wonder if we can get a small aliquot from you.

I have ordered Armored RNA Quant Enterovirus, Armored RNA for Hepatitis G virus, as well as poliovirus Sabin 3. I also have a couple of people helping me to setup the water sample processing apparatus and build the lab. I got strong support from our Chemistry Dept, they have done a lot of analysis on water samples.

I did postdoc in poliovirus lab long time ago working on poliovirus replicons, see attached. It is fun to do plaque assays. I did so many.

Best

Charlie

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\*\*\*\*\* ATTACHMENT NOT DELIVERED \*\*\*\*\*

[attachment "Li Q 1998 JGV Poliovirus replicon.pdf" deleted by Shay Fout/CI/USEPA/US]